AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (original) A p-type semiconductor material expressed in a composition formula of $Zn_{(1-\alpha-\beta-\gamma)}Cu_{\alpha}A_{\beta}B_{\gamma}S_{(1-x-y)}Se_{x}Te_{y}$ (0.004 $\leq \alpha \leq 0.4$, $\beta \leq 0.2$, $\gamma \leq 0.2$, $0 \leq x \leq 1$, $0 \leq y \leq 0.2$, and $x + y \leq 1$, A and B are elements selected from Cd, Hg and alkaline earth metals).
- 2. (original) The p-type semiconductor material according to claim 1, wherein the A is Mg.
- 3. (original) The p-type semiconductor material according to claim 1, wherein the B is Cd.
- 4. (original) The p-type semiconductor material according to claim 2, wherein the B is Cd.
- 5. (currently amended) The p-type semiconductor material according to <u>claim 1</u>-any of elaims 1 to 4, wherein the semiconductor material contains at least one dopant selected from Cl, Br, I, Al, Ga and In as a compensation dopant and a concentration of the compensation dopant is 10¹⁷ to 10²⁰ cm⁻³.
- 6. (currently amended) The p-type semiconductor material according to claim 1-any of elaims 1 to 4, wherein the semiconductor material has a light absorption coefficient of 5 x 10^5 cm⁻¹ or less at 470 nm to 750 nm.
- 7. (currently amended) The p-type semiconductor material according to claim 1 any of elaims 1 to 4, wherein a volume resistivity of the semiconductor material is equal to or higher than $10^{-4}\Omega$ cm and is lower than $10^{-3}\Omega$ cm.

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- 8. (currently amended) The p-type semiconductor material according to claim 1 any of elaims 1 to 4, wherein a carrier concentration of the semiconductor material is equal to or higher than 10^{16} cm⁻³ and is lower than 10^{22} cm⁻³.
- 9. (currently amended) A semiconductor device in which the p-type semiconductor material according to <u>claim 1</u>, any of claims 1 to 4 constitutes a hole injecting electrode layer in an amorphous phase or a polycrystalline phase.
- 10. (original) The semiconductor device according to claim 9, wherein the semiconductor device is a light emitting device.
- 11. (new): The p-type semiconductor material according to claim 2, wherein the semiconductor material contains at least one dopant selected from Cl, Br, I, Al, Ga and In as a compensation dopant and a concentration of the compensation dopant is 10^{17} to 10^{20} cm⁻³.
- 12. (new): The p-type semiconductor material according to claim 3, wherein the semiconductor material contains at least one dopant selected from Cl, Br, I, Al, Ga and In as a compensation dopant and a concentration of the compensation dopant is 10^{17} to 10^{20} cm⁻³.
- 13. (new): The p-type semiconductor material according to claim 4, wherein the semiconductor material contains at least one dopant selected from Cl, Br, I, Al, Ga and In as a compensation dopant and a concentration of the compensation dopant is 10¹⁷ to 10²⁰ cm⁻³.
- 14. (new): The p-type semiconductor material according to claim 2, wherein the semiconductor material has a light absorption coefficient of 5 x 10^5 cm⁻¹ or less at 470 nm to 750 nm.
- 15. (new): The p-type semiconductor material according to claim 3, wherein the semiconductor material has a light absorption coefficient of 5 x 10^5 cm⁻¹ or less at 470 nm to 750 nm.

- 16. (new): The p-type semiconductor material according to claim 4, wherein the semiconductor material has a light absorption coefficient of 5×10^5 cm⁻¹ or less at 470 nm to 750 nm.
- 17. (new): The p-type semiconductor material according to claim 2, wherein a volume resistivity of the semiconductor material is equal to or higher than $10^{-4}\Omega$ cm and is lower than $10^{-3}\Omega$ cm.
- 18. (new): The p-type semiconductor material according to claim 3, wherein a volume resistivity of the semiconductor material is equal to or higher than $10^{-4}\Omega$ cm and is lower than $10^{-3}\Omega$ cm.
- 19. (new): The p-type semiconductor material according to claim 4, wherein a volume resistivity of the semiconductor material is equal to or higher than $10^{-4}\Omega$ cm and is lower than $10^{-3}\Omega$ cm.
- 20. (new): The p-type semiconductor material according to claim 2, wherein a carrier concentration of the semiconductor material is equal to or higher than 10^{16} cm⁻³ and is lower than 10^{22} cm⁻³.
- 21. (new): The p-type semiconductor material according to claim 3, wherein a carrier concentration of the semiconductor material is equal to or higher than 10^{16} cm⁻³ and is lower than 10^{22} cm⁻³.
- 22. (new): The p-type semiconductor material according to claim 4, wherein a carrier concentration of the semiconductor material is equal to or higher than 10^{16} cm⁻³ and is lower than 10^{22} cm⁻³.

- 23. (new): A semiconductor device in which the p-type semiconductor material according to claim 2, constitutes a hole injecting electrode layer in an amorphous phase or a polycrystalline phase.
- 24. (new): A semiconductor device in which the p-type semiconductor material according to claim 3, constitutes a hole injecting electrode layer in an amorphous phase or a polycrystalline phase.
- 25. (new): A semiconductor device in which the p-type semiconductor material according to claim 4, constitutes a hole injecting electrode layer in an amorphous phase or a polycrystalline phase.
- 26. (new): The semiconductor device according to claim 23, wherein the semiconductor device is a light emitting device.
- 27. (new): The semiconductor device according to claim 24, wherein the semiconductor device is a light emitting device.
- 28. (new): The semiconductor device according to claim 25, wherein the semiconductor device is a light emitting device.